

Confirm Final Report of Incident 317789 to Send to TCEQ
Regulated Entity: RN102212925 Today's date is: 08/18/2019

Incident Tracking Number:	317789	Incident Status:	OPEN		
Submittal Type:	FINAL REPORT				
Name of Owner or Operator:	EXXON MOBIL CORPORATION	Regulated Entity Number:	RN102212925		
Physical Location:	3525 Decker Drive, Baytown 77520				
Event/Activity Type:	EMISSIONS EVENT				
Date and Time Event Discovered or Scheduled Activity Start:	07/31/2019 @ 10:43				
Event Duration:	91 hours, 16 minutes				
Process Unit or Area Common Names					
Propylene Recovery Unit (PRU)					
Facility Common Name		Facility Identification Number (FIN)			
Propylene Recovery Unit		PRU			
Emission Point Common Name:		Emission Point Number:			
Primary Flare		FLARE1			
List of Air Contaminant Compounds					
Description	Est. Quantity/Opacity	Units	Emission Limit	Units	Authorization
Acetylene	8.06	POUNDS	709.48000	LBS/HR	4.32 lbs of the total 8.06 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Benzene	1857.90	POUNDS	709.48000	LBS/HR	1383.38 lbs of the total 1857.90 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Butadiene, 1-3	1878.51	POUNDS	709.48000	LBS/HR	1434.96 lbs of the total 1878.51 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Butane, N-	941.51	POUNDS	709.48000	LBS/HR	718.15 lbs of the total 941.51 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
C5+ (not including benzene)	1520.10	POUNDS	709.48000	LBS/HR	1131.85 lbs of the total 1520.10 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Carbon Monoxide	16297.45	POUNDS	6627.58000	LBS/HR	5919.49 lbs of the total 16297.45 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Cis-2-butene	114.56	POUNDS	709.48000	LBS/HR	87.57 lbs of the total 114.56 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Ethylene	3201.77	POUNDS	709.48000	LBS/HR	2125.22 lbs of the total 3201.77 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Isobutane	143.89	POUNDS	709.48000	LBS/HR	112.69 lbs of the total 143.89 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Isobutene	708.71	POUNDS	709.48000	LBS/HR	

					531.80 lbs of the total 708.71 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Nitrogen Oxides (NOx)	2370.64	POUNDS	1630.75000	LBS/HR	2018.48 lbs of the total 2370.64 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Propane	931.83	POUNDS	709.48000	LBS/HR	614.06 lbs of the total 931.83 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Propylene (Propene)	3909.85	POUNDS	709.48000	LBS/HR	2671.60 lbs of the total 3909.85 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Trans-2-butene	148.01	POUNDS	709.48000	LBS/HR	108.41 lbs of the total 148.01 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Emission Point Common Name:			Emission Point Number:		
Secondary Flare			FLARE2		
List of Air Contaminant Compounds					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Carbon Monoxide	19219.24	POUNDS	6627.58000	LBS/HR	6220.94 lbs of the total 19219.24 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Trans-2-butene	133.70	POUNDS	709.48000	LBS/HR	101.09 lbs of the total 133.70 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Cis-2-butene	98.92	POUNDS	709.48000	LBS/HR	76.29 lbs of the total 98.92 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Acetylene	11.21	POUNDS	709.48000	LBS/HR	4.96 lbs of the total 11.21 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Ethylene	4025.47	POUNDS	709.48000	LBS/HR	2473.23 lbs of the total 4025.47 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Butadiene, 1-3	1754.52	POUNDS	709.48000	LBS/HR	1362.48 lbs of the total 1754.52 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Butane, N-	1034.97	POUNDS	709.48000	LBS/HR	795.06 lbs of the total 1034.97 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Nitrogen Oxides (NOx)	2729.67	POUNDS	1630.75000	LBS/HR	2186.12 lbs of the total 2729.67 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Propylene (Propene)	7937.80	POUNDS	709.48000	LBS/HR	5074.41 lbs of the total 7937.80 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Isobutane	154.94	POUNDS	709.48000	LBS/HR	121.27 lbs of the total 154.94 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
C5+ (not including benzene)	2310.71	POUNDS	709.48000	LBS/HR	1640.66 lbs of the total 2310.71 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Isobutene	754.66	POUNDS	709.48000	LBS/HR	575.09 lbs of the total 754.66 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.

Benzene	2824.20	POUNDS	709.48000	LBS/HR	2005.26 lbs of the total 2824.20 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.
Propane	1855.86	POUNDS	709.48000	LBS/HR	1125.41 lbs of the total 1855.86 lbs are authorized under Permit #3452/PSD-TX-302M2/PAL6.

Emission Point Common Name:	Emission Point Number:
Multi-Point Ground Flare	FLAREXX2

List of Air Contaminant Compounds					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Carbon Monoxide	856.01	POUNDS	3742.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
1-Butene	14.93	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Trans-2-butene	5.90	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Cis-2-butene	10.65	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Acetylene	0.97	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Ethylene	4.90	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Butadiene, 1-3	171.48	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Butane, N-	26.22	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Sulfur dioxide	0.00001	POUNDS	233.32	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Nitrogen Oxides (NOx)	536.07	POUNDS	2309.32	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Propylene (Propene)	118.18	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Isobutane	0.0005	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
C5+ (not including benzene)	64.21	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Isobutene	0.53	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Benzene	35.58	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.
Propane	18.27	POUNDS	3991.46	LBS/HR	Portions may be authorized under Permit #102982/PAL6.

Emission Point Common Name:	Emission Point Number:
Elevated Flare	FLAREXX1

List of Air Contaminant Compounds					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Carbon Monoxide	6425.75	POUNDS	160.64000	LBS/HR	6425.75 lbs of the total 6425.75 are authorized under Permit #102982/PAL6.
Trans-2-butene	230.08	POUNDS	371.90000	LBS/HR	

					230.08 lbs of the total 230.08 are authorized under Permit #102982/PAL6.
Cis-2-butene	419.16	POUNDS	371.90000	LBS/HR	419.16 lbs of the total 419.16 are authorized under Permit #102982/PAL6.
Acetylene	18.39	POUNDS	371.90000	LBS/HR	18.39 lbs of the total 18.39 are authorized under Permit #102982/PAL6.
Ethylene	112.46	POUNDS	371.90000	LBS/HR	112.46 lbs of the total 112.46 are authorized under Permit #102982/PAL6.
Butadiene, 1-3	6658.36	POUNDS	371.90000	LBS/HR	6658.36 lbs of the total 6658.36 are authorized under Permit #102982/PAL6.
Butane, N-	999.94	POUNDS	371.90000	LBS/HR	999.94 lbs of the total 999.94 are authorized under Permit #102982/PAL6.
Nitrogen Oxides (NOx)	911.99	POUNDS	22.24000	LBS/HR	911.99 lbs of the total 911.99 are authorized under Permit #102982/PAL6.
Propylene (Propene)	2280.79	POUNDS	371.90000	LBS/HR	2280.79 lbs of the total 2280.79 are authorized under Permit #102982/PAL6.
Isobutane	0.04	POUNDS	371.90000	LBS/HR	0.04 lbs of the total 0.04 are authorized under Permit #102982/PAL6.
C5+ (not including benzene)	1865.38	POUNDS	371.90000	LBS/HR	1865.38 lbs of the total 1865.38 are authorized under Permit #102982/PAL6.
Isobutene	21.43	POUNDS	371.90000	LBS/HR	21.43 lbs of the total 21.43 are authorized under Permit #102982/PAL6.
Benzene	1285.09	POUNDS	371.90000	LBS/HR	1285.09 lbs of the total 1285.09 are authorized under Permit #102982/PAL6.
Propane	345.05	POUNDS	371.90000	LBS/HR	345.05 lbs of the total 345.05 are authorized under Permit #102982/PAL6.
Sulfur dioxide	0.00001	POUNDS	7.97000	LBS/HR	Portions may be authorized under Permit 102982/PAL6.
1-Butene	579.40	POUNDS	371.90000	LBS/HR	579.40 lbs of the total 579.40 are authorized under Permit #102982/PAL6.
Toluene	453.95	POUNDS	371.9	LBS/HR	453.95 lbs of the total 453.95 are authorized under Permit #102982/PAL6.

Emission Point Common Name:**Emission Point Number:**

PRU Depropanizer Tower (NT-01)

N/A

List of Air Contaminant Compounds

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Opacity	100	% OPACITY	0		Not specifically authorized.
Benzene	5463.52	POUNDS	0		Not specifically authorized.
Butadiene, 1-3	9396.16	POUNDS	0		Not specifically authorized.
Carbon Monoxide	2286.24	POUNDS	0		Not specifically authorized.
Nitrogen Oxides (NOx)	448.69	POUNDS	0		Not specifically authorized.
Propane	13760.39	POUNDS	0		Not specifically authorized.
Propylene	36904.76	POUNDS	0		Not specifically authorized.
1-Butene	1973.17	POUNDS	0		Not specifically authorized.
Butane, N-	3728.68	POUNDS	0		Not specifically authorized.
Cis-2-butene	837.20	POUNDS	0		Not specifically authorized.
Isobutane	470.06	POUNDS	0		Not specifically authorized.
Isobutene	1397.61	POUNDS	0		Not specifically authorized.

Cyclopentadiene	1844.23	POUNDS	0		Not specifically authorized.
Isoprene	331.36	POUNDS	0		Not specifically authorized.
Styrene	1.58	POUNDS	0		Not specifically authorized.
Toluene	307.64	POUNDS	0		Not specifically authorized.
C5s	1592.87	POUNDS	0		Not specifically authorized.
C6s	1680.32	POUNDS	0		Not specifically authorized.
C8s	12.90	POUNDS	0		Not specifically authorized.
Methylacetylene Propadiene	624.48	POUNDS	0		Not specifically authorized.
Piperylene	555.71	POUNDS	0		Not specifically authorized.
Amylenes	619.12	POUNDS	0		Not specifically authorized.
Methylcyclopentadiene	147.94	POUNDS	0		Not specifically authorized.
PM (unspeciated)	345.26	POUNDS	0		Not specifically authorized.
C7s	1028.47	POUNDS	0		Not specifically authorized.
VAC	386.27	POUNDS	0		Not specifically authorized.
Emission Point Common Name:			Emission Point Number:		
Expansion Flare			FLAREX		
List of Air Contaminant Compounds					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Carbon Monoxide	12447.79	POUNDS	6627.58000	LBS/HR	8554.89 lbs of the total 12447.79 lbs are authorized under Permit #3452/PSD-TX-302M2.
Trans-2-butene	433.64	POUNDS	709.48000	LBS/HR	229.23 lbs of the total 433.64 lbs are authorized under Permit #3452/PSD-TX-302M2.
Cis-2-butene	183.74	POUNDS	709.48000	LBS/HR	98.19 lbs of the total 183.74 lbs are authorized under Permit #3452/PSD-TX-302M2.
Acetylene	4.89	POUNDS	709.48000	LBS/HR	3.43 lbs of the total 4.89 lbs are authorized under Permit #3452/PSD-TX-302M2.
Ethylene	355.66	POUNDS	709.48000	LBS/HR	251.46 lbs of the total 355.66 lbs are authorized under Permit #3452/PSD-TX-302M2.
Butadiene, 1-3	6078.54	POUNDS	709.48000	LBS/HR	3182.01 lbs of the total 6078.54 lbs are authorized under Permit #3452/PSD-TX-302M2.
Butane, N-	880.89	POUNDS	709.48000	LBS/HR	477.08 lbs of the total 880.89 lbs are authorized under Permit #3452/PSD-TX-302M2.
Nitrogen Oxides (NOx)	1884.42	POUNDS	1630.75000	LBS/HR	1876.90 lbs of the total 1884.42 lbs are authorized under Permit #3452/PSD-TX-302M2.
Propylene (Propene)	2493.86	POUNDS	709.48000	LBS/HR	1362.09 lbs of the total 2493.86 lbs are authorized under Permit #3452/PSD-TX-302M2.
Isobutane	25.50	POUNDS	709.48000	LBS/HR	21.53 lbs of the total 25.50 lbs are authorized under Permit #3452/PSD-TX-302M2.
C5+ (not including benzene)	2157.20	POUNDS	709.48000	LBS/HR	

					1139.97 lbs of the total 2157.20 lbs are authorized under Permit #3452/PSD-TX-302M2.
Isobutene	546.27	POUNDS	709.48000	LBS/HR	294.02 lbs of the total 546.27 lbs are authorized under Permit #3452/PSD-TX-302M2.
Benzene	2636.58	POUNDS	709.48000	LBS/HR	1393.30 lbs of the total 2636.58 lbs are authorized under Permit #3452/PSD-TX-302M2.
Propane	420.71	POUNDS	709.48000	LBS/HR	240.38 lbs of the total 420.71 lbs are authorized under Permit #3452/PSD-TX-302M2.

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:

The Baytown Olefins Plant Propylene Recovery Unit Depropanizer Tower (NT-01) experienced a fire which resulted in emissions to atmosphere and safe utilization of the flare system.

Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:

The tower was isolated and fire extinguished. Operational adjustments were made to minimize emissions. Available information indicates no adverse impact to the site and the surrounding community.

Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:

Portions of the unit emissions are authorized by Permit #3452/PSD-TX-302M2/PAL6 and Permit#102982/PAL6. Emissions estimates include process and engineering knowledge, analyzer data, sample data, flow meters, historical data, and/or AP-42 emission factors. VOCs represent a mixture of C5+. Total emissions in the "Est. Quantity" column is the sum of authorized and unauthorized emissions. The event has ended.

Person Making Notification:	Anna Bader	Date/Time:	08/01/2019 @ 10:37:03 AM
Notifier Phone:	346-2592204		
Incident Contact:	ALLISON KORENEK		
Contact E-mail:	allison.korenek@exxonmobil.com		
Contact Phone:	346-2590297 ext:		
Notification Jurisdictions:	REGION 12 - HOUSTON		
Affirmative Defense	The owner or operator of the regulated entity asserts this reported event or activity, as applicable, meets the applicable affirmative defense criteria. YES		
Publication Status:	VERIFIED		

I agree that data displayed in this report is the exact data or is acceptably equivalent to the data provided for the specified regulated entity, and the information is, to the best of my knowledge, true, accurate and complete. By entering my password and pressing the 'Confirm Submit' button, I agree that:

1. I am Anna Bader, the owner of the STEERS account ER060573.
2. I have the authority to submit this data on behalf facility located at RN102212925.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally submitting 1 incident record.

This document was signed by Anna Bader.

Signature Hash: 55A8793A97B093EAC08DF5BC1A68D40BD458EB02D4C951A4A5C6383E618EC7BC

The following is additional information contained in your Copy of Record:

Submission IP address: 158.26.2.171

Submission date and time: 08/18/2019 05:40:49 PM

Submission STEERS Version: 6.27

Submission Confirmation Number: 160350

Submission Data Hash Code: 7AFA7E44869B06A5B6EDD99033F6B0338713A0ED8464842E931EBBD936C92912

STEERS AEME Incident Id: 168912